



SHREYA KURUMPILAI

• Biomedical Engineer •

CONTACT

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PERSONAL DETAILS

DOB - 10/06/1998
Nationality - Indian
Father's name - Suresh Kurumpilai
Mother's name - Raji Kurumpilai

LANGUAGES

English - Full Professional Proficiency
Hindi - Native or Bilingual Proficiency
Marathi - Native or Bilingual Proficiency
Malayalam - Native or Bilingual Proficiency

KEY TRAITS

- Flexible to work under pressure
- Ability to meet deadlines
- Quick Learner
- Dedicated and result oriented
- Friendly and sociable

CORE QUALIFICATIONS

- Basics of Medical Equipment Calibration and Troubleshooting
- Research and Product Development
- Advanced communication skills
- Excellent Documentation Skills
- Leadership
- Public speaking and presentation Skills
- Analytical Thinker
- Design Thinking

INTERESTS

- Singing
- Reading
- Cooking

PROFESSIONAL PROFILE

As a dynamic biomedical engineer, I am driven by a relentless passion for leveraging technology to revolutionize healthcare solutions and address critical clinical needs. Currently, I serve as a dedicated Student Mentor at the esteemed Medical Innovation Creativity and Entrepreneurship (M.I.C.E) Labs, affiliated with Grant Government Medical College and Sir J.J Hospital. In this role, I am deeply committed to nurturing the next generation of healthcare innovators, imparting invaluable guidance and mentorship to aspiring students as they embark on their journey towards impactful medical solutions. In addition to my academic endeavors, I am also the visionary founder of 'The Grammar Gate,' a pioneering startup dedicated to enhancing language proficiency and empowering individuals to unlock their full potential. With a proven track record of driving transformative change and making meaningful contributions to both the healthcare and education sectors, I am poised to make a significant impact in any professional setting.

EDUCATION

2024

Indian Institute of Technology -IIT | Delhi
Executive Program in Healthcare Entrepreneurship and Management

2022

MGM's College of Engineering and Technology | Navi Mumbai
Bachelor's of Biomedical Engineering and Technology
CGPA 7.41/10

2016

SM Shetty High School and Jr College | Mumbai
Higher Secondary

2014

St. Xaviers High School and Jr College | Mumbai
Secondary School

CERTIFICATES AND ACHIEVEMENTS

- Won Top 3 Healthcare Startup Award at IIT Delhi
- Engineering Mentor for MEDATHON-2022 and 2023 held at KEM Hospital, Mumbai
- Engineering Mentor for Insomnia held at AFMC, Pune
- Engineering Mentor for MEDHA 2023 & 2024 held at GGMC and Sir J.J Hospital in collaboration with BETIC Labs, IIT Bombay
- Engineering Mentor for Medico-Techno Hacks held at MGM's College of Engineering and Technology, Navi Mumbai
- Engineering Mentor for Hacking Health held at CMC, Ludhiana
- Engineering and Design Thinking Mentor for Genesis organized by Indian Medical Association, Nagpur

PROJECTS

June 2021 - May 2022

- Designed a working prototype of Cloud Computing Based Working Alert System to signal the presence of a hazard requiring urgent attention and to summon emergency medical personnel

July 2022 - October 2022

- Mentor for project on ' SURGO-ARM : A Machine Learning Based Robotic Arms To Demonstrate Suturing To Medical Students and Practitioners

December 2022 - February 2023

- Mentor for project on ' SHARPSAFE : Arduino based Needle Disposal System for reduced cross infection and better waste management in healthcare facilities

August 2023 - Present

- Mentor for a project for neonates and pediatric patients for enhanced IV Site Management to prevent potentially serious complications

November 2023 - January 2024

- Worked on a project for Post Menopausal Women by understanding the correlation between education, awareness, and well-being, to develop targeted interventions to support this demographic.

February 2024 - July 2024

- Worked on a project for toddlers and young children to curb the rising prevalence of excessive screen time among this demographic leading to the potential development of virtual autism.

June 2024 - Present

- Developed an effective and innovative solution for dementia care among older adults for cognitive health support.

EXPERIENCE

July 2022 - Present

Medical Innovation Creativity and Entrepreneurship (M.I.C.E) Labs , Grant Government Medical College and Sir J.J Hospital

Position : Student Mentor

Domain : Medical Device Innovation and Research

- Design and implement a comprehensive curriculum for Innovation Education, outlining lesson plans and activities to foster creativity and problem-solving skills among participants.
- Coordinate and manage events focused on Innovation, Entrepreneurship, and Patient Education, ensuring seamless execution and maximum engagement.
- Utilize principles of Biomedical engineering and Design Thinking to transform device ideas into functional proof-of-concepts, facilitating the development of innovative healthcare solutions.
- Facilitate collaboration with stakeholders to drive product development initiatives and create impactful health programs that address critical healthcare needs.
- Manage Social Media Marketing efforts and oversee Website Content Creation, ensuring compelling and engaging content that effectively communicates the organization's mission and values to the target audience.

April 2024 - Present

Pleasure-Xsutras

Co-Founder -Team Member

- A pioneering startup dedicated to empowering individuals to achieve holistic well-being through a unique focus on mental health and sexual well-being.
- The vision is to create an inclusive, judgment-free space where individuals can openly discuss their concerns with clinicians, access therapy, and engage in activities designed to enhance both mental and sexual well-being. By addressing these interconnected aspects of life, we aim to break down societal stigma and support people in leading healthier, more fulfilling lives.

March 2021 - Present

The Grammar Gate

Founder

- A pioneering startup dedicated to enhancing language proficiency and empowering individuals to unlock their full potential.
- The Grammar Gate focuses on providing innovative tools and personalized learning experiences to facilitate mastery of the English language, thereby boosting confidence and fostering personal growth in learners.

October 2020 - February 2021

Creative Content Writer executive (Intern) at Abdul Kalam Visionary Education

13 December-18 December 2021

Andhra Pradesh Med - Tech Zone - AMTZ Visakhapatnam

- Conducted on-site visits to manufacturing units at AMTZ Visakhapatnam, gaining valuable insights into their operations and manufacturing techniques
- Acquired practical experience through hands-on training with a diverse range of critical care equipment, including Ventilators, Defibrillators, Patient Monitors, ECG machines, Syringe Pumps, and Infusion Pumps.

11 January - 11 April 2019

MGM Hospital, Kamothe

Biomedical Engineer - Intern

- Attended breakdown calls and maintained records of the same.
- Acquired practical experience in Calibration repairing and diagnosing hardware malfunctions and perform, troubleshooting according to ISO and NABH Standards.
- Assisted in work with Biomedical Engineering Team to ensure Smooth functioning of all machines and equipment's in Hospital.
- Collaborated in working with Senior Engineer to deliver Success.
- Worked during NABH accreditation program and acquired.
- Hands-on experience at preparing PM reports, updating CMS and AMC.
- File handling and Documentation.

I hereby confirm that all the details presented here are true to the best of my knowledge.

Name: Shreya Kurumpilai

Place : India , Mumbai